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Publisher: ACM

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Bibliometrics: Downloads (6 Weeks): 475, Downloads (12 Months): 3583, Citations: 0

2 [A layered approach to simplified access control in virtualized system](#)

Bryan D. Payne, Reiner Sailer, Ramón Cáceres, Ron Perez, Wenke Lee
July 2007 **SI GOPS Operating Systems Review**, Volume 41 Issue 4

Publisher: ACM

Full text available: [Pdf](#) (418.18 KB) Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 174, Citations: 0

In this work, we show how the abstraction layer created by a hypervisor can be leveraged to reduce the complexity of mandatory access control Policies governing access control decisions in ...

Keywords: information flow, layering, mandatory access control, policy

3 ["Good" worms and human rights](#)

John Aycock, Alana Maurushat

March 2008 **SI GCAS Computers and Society**, Volume 38 Issue 1

Publisher: ACM

Full text available: [Pdf](#) (129.33 KB) Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 209, Citations: 0

The extent of Internet censorship in countries like China is regularly tested. The extent of Internet censorship in countries like China is regularly tested from within a censored country can entail risk for humans. A benevolent worm testing instead: the worm's self-replication, long ...

Keywords: China, benevolent worms, censorship, filtering, firewall, human rights

4 [A fast real-time memory authentication protocol](#)

Yin Hu, Ghaith Hammouri, Berk Sunar

October 2008 **STC '08: Proceedings of the 3rd ACM workshop on Scalable t**

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We propose a new real-time authentication scheme for memory. As in p
uses a Merkle tree to guarantee dynamic protection of memory. We use
family NH for speed and couple it with an AES encryption ...


Keywords: fast authentication, memory integrity, universal hash

5 [Protecting people from phishing: the design and evaluation of an em](#)

 [Ponnurangam Kumaraguru](#), [Yong Rhee](#), [Alessandro Acquisti](#), [Lorrie Faith O](#)
[Nunge](#)

April 2007 **CHI '07:** Proceedings of the SIGCHI conference on Human fact

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Phishing attacks, in which criminals lure Internet users to websites that
are occurring with increasing frequency and are causing considerable ha
describe the design and evaluation of an embedded ...

Keywords: email, embedded training, phishing, situated learning, usat

6 [Understanding the network-level behavior of spammers](#)

 [Anirudh Ramachandran](#), [Nick Feamster](#)

August 2006 **SIGCOMM '06:** Proceedings of the 2006 conference on Applic
architectures, and protocols for computer communications

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (410.60 KB)

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Bibliometrics: Downloads (6 Weeks): 32, Downloads (12 Months): 422, Citatic


This paper studies the *network-level* behavior of spammers, including: I
most spam, common spamming modes (e.g., BGP route hijacking, bots)
each spamming host is, and characteristics of ...

Keywords: BGP, botnet, network management, security, spam

Also published in:


August 2006 **SIGCOMM Computer Communication Review** Volume 36 Issue

7 [Planet scale software updates](#)

 [Christos Gkantsidis](#), [Thomas Karagiannis](#), [Milan VojnoviC](#)

August 2006 **SIGCOMM '06:** Proceedings of the 2006 conference on Applic
architectures, and protocols for computer communications

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Full text available:  [Pdf](#) (1.19 MB)

Additional Information: [full citation](#), [abstract](#), [info](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 113, Citations: 0


Fast and effective distribution of software updates (a.k.a. patches) to mobile devices has evolved into a critical task over the last years. In this paper, we characterize the largest update services in the world, ...

Keywords: caching, peer-to-peer, software updates

Also published in:

August 2006 **SIGCOMM Computer Communication Review** Volume 36 Issue 4

8 [A review of WPAN security: attacks and prevention](#)

 [Todd Kennedy](#), [Ray Hunt](#)

September 2008 **Mobility '08**: Proceedings of the International Conference on Mobile Computing, Applications, and Systems

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Bibliometrics: Downloads (6 Weeks): 55, Downloads (12 Months): 225, Citations: 0

WPANs (Wireless Personal Area Networks) fill an important role in local area networks, complementing traditional IEEE 802.11 Wireless LANs. Bluetooth, ZigBee (IEEE 802.15.4 Communications) have emerged as the key WPAN technologies. They ...



Keywords: ZigBee, bluetooth, near field communication, wireless personal area networks

9 [Explorations in namespace: white-hat hacking across the domain namespace](#)

 [Dan Kaminsky](#)

June 2006 **Communications of the ACM**, Volume 49 Issue 6


Publisher: ACM  [Request Permissions](#)

Full text available:  [Html](#) (28.87 KB),  [Pdf](#) (291.36 KB) Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)

Bibliometrics: Downloads (6 Weeks): 45, Downloads (12 Months): 185, Citations: 0

DNS cache scanning across a sample set of more than 500,000 names revealed a significant number of year's Sony rootkit infestation on client machines.

10 [Can you infect me now?: malware propagation in mobile phone networks](#)

 [Chris Fleizach](#), [Michael Liljenstam](#), [Per Johansson](#), [Geoffrey M. Voelker](#), [Andreas](#)

November 2007 **WORM '07**: Proceedings of the 2007 ACM workshop on Resilient Computing and Systems


Publisher: ACM

Full text available:  [Pdf](#) (946.28 KB) Additional Information: [full citation](#), [abstract](#), [bibliometrics](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 217, Citations: 0

In this paper we evaluate the effects of malware propagating using cellular phone networks. Although self-propagating malware is well understood in computer networks, mobile networks have very different characteristics in terms of ...

Keywords: cellular phone networks, defenses, epidemiology, measurement

- 11** [Provably secure browser-based user-aware mutual authentication on](#)
 Sebastian Gajek, Mark Manulis, Ahmad-Reza Sadeghi, Jörg Schwenk
 March 2008 **ASI ACCS '08**: Proceedings of the 2008 ACM symposium on In-
 communications security


Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (410.43 KB) Additional Information: [full citation](#), [abstract](#), [full text](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 153, Citation

The standard solution for user authentication on the Web is to establish server authenticated mode and run a protocol on top of TLS where the HTML form. However, as many studies point out, the ...

Keywords: TLS, browser-based protocols, phishing, user authentication

- 12** [Persona: an online social network with user-defined privacy](#)
 Randy Baden, Adam Bender, Neil Spring, Bobby Bhattacharjee, Daniel Star
 August 2009 **SIGCOMM '09**: Proceedings of the ACM SIGCOMM 2009 confe

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (527.89 KB) Additional Information: [full citation](#), [abstract](#), [full text](#)

Bibliometrics: Downloads (6 Weeks): 47, Downloads (12 Months): 47, Citation

Online social networks (OSNs) are immensely popular, with some claimi share private content, such as personal information or photographs, usi trust the OSN service to protect personal information ...

Keywords: ABE, OSN, facebook, persona, privacy, social networks

Also published in:

August 2009 **SIGCOMM Computer Communication Review** Volume 39 Issue


- 13** [Spyware be gone!](#)
 Aaron Weiss
 March 2005 **netWorker**, Volume 9 Issue 1

Publisher: ACM  [Request Permissions](#)

Full text available:  Html (25.40 KB),  Pdf (85.97 KB) Additional Information: [full citation](#), [abstract](#), [full text](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 61, Citation

The times they are a-changing: White is the new black. Thirty is the new spam---with a dash of virus mixed in for good measure. (Of course, we flavor spam and viruses hanging around, too). What ...

- 14** [A distributed host-based worm detection system](#)
 Senthikumar G. Cheetancheri, John Mark Agosta, Denver H. Dash, Karl N. Schooler
 September 2006 **LSAD '06**: Proceedings of the 2006 SIGCOMM workshop on

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (155.76 KB) Additional Information: [full citation](#), [abstract](#), [full text](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 91, Citation

We present a method for detecting large-scale worm attacks using only detectors propagate and aggregate alerts to cooperating partners to detect attacks in progress. The properties of the host-based detectors ...

Keywords: sequential hypothesis testing, worm detection

15 [The web is smaller than it seems](#)

 [Craig A. Shue](#), [Andrew J. Kalafut](#), [Minaxi Gupta](#)

October 2007 **IMC '07**: Proceedings of the 7th ACM SIGCOMM conference on

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (554.39 KB) Additional Information: [full citation](#), [abstract](#), [download](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 50, Citation

The Web has grown beyond anybody's imagination. While significant research understanding aspects of the Web from the perspective of the document data on the relationship among servers that comprise ...

Keywords: block lists, dos attacks, server co-location, world wide web

16 [The new face of malware](#)

 [Lynn Greiner](#)

December 2006 **netWorker**, Volume 10 Issue 4


Publisher: ACM  [Request Permissions](#)

Full text available:  Html (13.06 KB),  Pdf (160.90 KB) Additional Information: [full citation](#), [abstract](#), [download](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 88, Citation

It's not often one hears a vendor say that the problem its flagship product has been solved. That statement would seem, at first blush, a wee bit self-d

17 [Temporal search: detecting hidden malware timebombs with virtual r](#)

 [Jedidiah R. Crandall](#), [Gary Wassermann](#), [Daniela A. S. de Oliveira](#), [Zhendong Chong](#)

November 2006 **ASPLOS-XII**: Proceedings of the 12th international conference on programming languages and operating systems

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (271.78 KB) Additional Information: [full citation](#), [abstract](#), [download](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 193, Citation

Worms, viruses, and other malware can be ticking bombs counting down their might, for example, delete files or download new instructions from a public novel virtual-machine-based analysis technique to ...

Keywords: malware, virtual machines, worms

Also published in:

October 2006 **SIGOPS Operating Systems Review** Volume 40 Issue 5

October 2006 **SIGARCH Computer Architecture News** Volume 34 Issue 5
 November 2006 **SIGPLAN Notices** Volume 41 Issue 11

18 [Firefox \(In\) security update dynamics exposed](#)



Stefan Frei, Thomas Duebendorfer, Bernhard Plattner

December 2008 **SIGCOMM Computer Communication Review**, Volume 39

Publisher: ACM

Full text available: Pdf (264.99 KB) Additional Information: [full citation](#), [abstract](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 167, Citations: 1

Although there is an increasing trend for attacks against popular Web browsers, about the actual patch level of daily used Web browsers on a global scale, a large part do not actually patch their Web browsers ...

Keywords: update, web browser

19 [The tale of the weather worm](#)



Joe Szabo, John Aycock, Randal Acton, Jörg Denzinger

March 2008 **SAC '08: Proceedings of the 2008 ACM symposium on Applied**

Publisher: ACM Request Permissions

Full text available: Pdf (140.99 KB) Additional Information: [full citation](#), [abstract](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 66, Citations: 1

How humans behave when faced with a disaster, natural or man-made, by news-aware malicious software. We introduce *weather worms*, worm abnormal events and their location, and target ...

Keywords: disasters, emergencies, geolocation, information policy, network

20 [Risks to the public](#)



Peter G. Neumann

September 2007 **SIGSOFT Software Engineering Notes**, Volume 32 Issue 5

Publisher: ACM

Full text available: Pdf (304.74 KB) Additional Information: [full citation](#), [index term](#)

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